

Exhibit A

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The IS-300 Series: a breakthrough in precision motion tracking

InterSense's **IS-300 series** consists of four inertial motion trackers spanning a range of capabilities and prices. All four trackers offer the high-fidelity orientation tracking of *InterGlide™* technology: which is exceptionally steady, smooth and responsive. With the IS-300 series, you can eliminate the latency, slosh and jitter which contribute to inaccurate tracking and simulator sickness.

	IS-300	IS-310	IS-310XL	IS-320XL
sensor capacity:	1	2	2	4
outputs:	orientation	orientation	orientation, position (with aid)	orientation position (with aid)
update rate:	125 Hz	250 Hz	250 Hz	500 Hz
prediction:	none	none	1-30 milliseconds	1-30 milliseconds



The three levels of performance are distinguished primarily by the speed of the signal processor - from 125 Hz for the IS-300 to 500 Hz for the IS-320XL. As a result of the higher processor speeds, the higher numbered products also offer superior latency, resolution and accuracy.

All products come standard with one inertial sensor. The 310-level products support one additional sensor, and the 320-level products support up to a total of 4 sensors per system, with an attendant decrease in update rate.

The "XL" motion acceleration mode is available as an option on the 310 (the IS-310 can also be upgraded to an IS-310XL at a later date) and comes standard with the 320. In XL mode, the InterSense tracker connects between your current 6-DOF magnetic tracker and the host computer to dramatically boost performance in several ways:

- Increased update rate and decreased latency
- Tracker output noise level is eliminated for significantly expanded useful range
- Uncorrupted pitch and roll data - no more tilted worlds!
- Prediction of up to 30 milliseconds that helps compensate for graphics rendering delay

IS-300 series trackers in XL mode can also be used in conjunction with our low-cost VS-300 ultrasonic position tracking device to obtain an integrated hybrid 6-DOF tracking system with all the advantages of *InterGlide*[™] technology.

The IS-310XL and IS-320XL do not have to be used in XL motion acceleration mode. When 3-DOF orientation tracking is enough (as it usually is for VR flythrough applications), these most flexible members of the IS-300 family may be switched into non-XL mode and used as stand-alone, sourceless, portable/wearable orientation trackers. These products can still perform prediction when used in this sourceless mode.

For further information about the individual products in the series, click the links below:



[IS-300](#)

The IS-300 is a revolutionary 3-DOF motion tracker uniquely suited for fly-through applications which require high-performance head-orientation tracking. Sourceless and wearable, the IS-300 can give you freedom of motion with unlimited range. As the economical base model in the series, the IS-300 is well suited for applications which require only one object to be tracked for orientation.

[IS-310](#)

The IS-310 offers twice the speed of the IS-300, for exceptionally fast, smooth response in demanding applications. It also offers much greater flexibility and expandability. Additional sensors may be purchased at any time, for tracking orientation of up to 4 objects simultaneously in a shared workspace (more objects may be tracked using multiple systems). It is upgradeable at any time to the IS-310XL for accelerated hybrid 6-DOF tracking.

[IS-310XL](#)

Trouble with interference and limited range with your existing magnetic tracker? The IS-310XL functions as a high-performance orientation tracker on its own, as a state-of-the-art 6-DOF tracker with the addition of our VS-300 ultrasonic positional device, or as a fully compatible inertial tracking accessory to enhance your current magnetic tracker's performance. For accelerated motion tracking performance with the motion prediction advantage, try the IS-310XL.

[IS-320XL](#)

The IS-320XL is the fastest, most precise motion tracker/predictor on the market today. It offers all the advanced capabilities of the IS-310XL, plus twice the update rate and additional flexibility for sophisticated users who wish to customize the prediction algorithms for totally optimal system performance.